Progress Energy

August 29, 2006

Charles L.A. Terreni
Chief Clerk and Administrator
South Carolina Public Service Commission
Post Office Drawer 11649
Columbia, South Carolina 29211

Re: Carolina Power & Light Company d/b/a Progress Energy Carolinas, Inc.
Power Plant Performance Report (July 2006)

Dear Mr. Terreni:

Enclosed are an original and one copy of the Power Plant Performance Report for Carolina Power & Light Company d/b/a Progress Energy Carolinas, Inc. for the month of July 2006.

Sincerely,

s/ Len S. Anthony

Len S. Anthony
Deputy General Counsel – Regulatory Affairs

LSA/dhs
Enclosures
45612

c: John Flitter (ORS)

Progress Energy Service Company, LLC
P.O. Box 1551
Raleigh, NC 27602

July 2006

The following units had no off-line outages during the month of July:

Brunswick Unit 1
Brunswick Unit 2
Harris Unit 1
Robinson Unit 2
Mayo Unit 1
Roxboro Unit 3

July 2006

Roxboro Unit 2

Full Forced Outage

A. Duration: The unit was taken out of service at 02:07 on July 15, and returned to service at 11:53 on July 16, a duration of 33 hours and 46 minutes.

B. Cause: Waterwall Tube Leak

C. Explanation: The unit was taken out of service to investigate and repair a tube leak in the waterwall section of the boiler.

D. Corrective Action: Weld repairs were made and the unit was returned to service.

July 2006

Roxboro Unit 4

Full Forced Outage

A. Duration: The unit was taken out of service at 14:00 on July 14, and returned to service at 22:00 on July 14, a duration of 8 hours.

B. Cause: Power Loss

C. Explanation: The unit was taken out of service due to a boiler trip, which resulted from a power loss.

D. Corrective Action: Corrective maintenance activities to restore power were completed, and the unit was returned to service.

BASE LOAD POWER PLANT PERFORMANCE REPORT
Brunswick 1 **

	Month of July 2006		Twelve Month Summary		See Notes*
MDC	938	MW	938	MW	1
Period Hours	744	HOURS	8,760	HOURS	
Net Generation	713,467	MWH	7,345,732	MWH	2
Capacity Factor	102.23	%	89.40	%	
Equivalent Availability	100.00	%	87.82	%	
Output Factor	102.23	%	100.43	%	
Heat Rate	10,387	BTU/KWH	10,420	BTU/KWH	

	MWH	% of Possible	MWH	% of Possible	
Full Scheduled	0	0.00	562,800	6.85	3
Partial Scheduled	6	0.00	35,379	0.43	4
Full Forced	0	0.00	110,340	1.34	5
Partial Forced	0	0.00	274,660	3.34	6
Economic Dispatch	0	0.00	0	0.00	7
Possible MWH	697,872		8,216,880		8

* See 'Notes for Nuclear Units' filed with the January 2006 report.
** Gross of Power Agency

BASE LOAD POWER PLANT PERFORMANCE REPORT
Brunswick 2 **

	Month of July 2006		Twelve Month Summary		See Notes*
MDC	937	MW	922	MW	1
Period Hours	744	HOURS	8,760	HOURS	
Net Generation	696,644	MWH	7,669,879	MWH	2
Capacity Factor	99.93	%	95.01	%	
Equivalent Availability	99.99	%	92.59	%	
Output Factor	99.93	%	99.66	%	
Heat Rate	10,630	BTU/KWH	10,518	BTU/KWH	

	MWH	% of Possible	MWH	% of Possible	
Full Scheduled	0	0.00	231,001	2.86	3
Partial Scheduled	56	0.01	107,474	1.33	4
Full Forced	0	0.00	146,610	1.82	5
Partial Forced	428	0.06	87,723	1.09	6
Economic Dispatch	0	0.00	0	0.00	7
Possible MWH	697,128		8,073,070		8

* See 'Notes for Nuclear Units' filed with the January 2006 report.
** Gross of Power Agency

BASE LOAD POWER PLANT PERFORMANCE REPORT
Harris 1 **

	Month of July 2006		Twelve Month Summary		See Notes*
MDC	900	MW	900	MW	1
Period Hours	744	HOURS	8,760	HOURS	
Net Generation	665,897	MWH	7,075,763	MWH	2
Capacity Factor	99.45	%	89.75	%	
Equivalent Availability	99.99	%	88.92	%	
Output Factor	99.45	%	100.62	%	
Heat Rate	11,055	BTU/KWH	10,869	BTU/KWH	

	MWH	% of Possible	MWH	% of Possible	
Full Scheduled	0	0.00	820,800	10.41	3
Partial Scheduled	36	0.01	1,458	0.02	4
Full Forced	0	0.00	22,185	0.28	5
Partial Forced	3,667	0.55	96,389	1.22	6
Economic Dispatch	0	0.00	0	0.00	7
Possible MWH	669,600		7,884,000		8

* See 'Notes for Nuclear Units' filed with the January 2006 report.
** Gross of Power Agency

BASE LOAD POWER PLANT PERFORMANCE REPORT
Robinson 2

	Month of July 2006	Twelve Month Summary	See Notes*
MDC	710 MW	710 MW	1
Period Hours	744 HOURS	8,760 HOURS	
Net Generation	538,030 MWH	5,772,071 MWH	2
Capacity Factor	101.85 %	92.80 %	
Equivalent Availability	100.00 %	88.81 %	
Output Factor	101.85 %	103.70 %	
Heat Rate	11,029 BTU/KWH	10,763 BTU/KWH	

	MWH	% of Possible	MWH	% of Possible	
Full Scheduled	0	0.00	653,720	10.51	3
Partial Scheduled	0	0.00	42,506	0.68	4
Full Forced	0	0.00	0	0.00	5
Partial Forced	0	0.00	0	0.00	6
Economic Dispatch	0	0.00	0	0.00	7
Possible MWH	528,240		6,219,600		8

* See 'Notes for Nuclear Units' filed with the January 2006 report.

BASE LOAD POWER PLANT PERFORMANCE REPORT
Mayo 1 **

	Month of July 2006		Twelve Month Summary		See Notes*
MDC	745	MW	745	MW	1
Period Hours	744	HOURS	8,760	HOURS	
Net Generation	429,457	MWH	4,702,280	MWH	2
Capacity Factor	77.48	%	72.05	%	
Equivalent Availability	99.56	%	94.25	%	
Output Factor	77.48	%	76.25	%	
Heat Rate	10,540	BTU/KWH	10,425	BTU/KWH	

	MWH	% of Possible	MWH	% of Possible	
Full Scheduled	0	0.00	312,677	4.79	3
Partial Scheduled	2,418	0.44	15,284	0.23	4
Full Forced	0	0.00	32,842	0.50	5
Partial Forced	0	0.00	14,330	0.22	6
Economic Dispatch	122,405	22.08	1,448,788	22.20	7
Possible MWH	554,280		6,526,200		8

* See 'Notes for Fossil Units' filed with the January 2006 report.
** Gross of Power Agency

BASE LOAD POWER PLANT PERFORMANCE REPORT
Roxboro 2

	Month of July 2006		Twelve Month Summary		See Notes*
MDC	670	MW	670	MW	1
Period Hours	744	HOURS	8,760	HOURS	
Net Generation	386,969	MWH	4,656,399	MWH	2
Capacity Factor	77.63	%	79.34	%	
Equivalent Availability	88.34	%	91.66	%	
Output Factor	81.32	%	83.29	%	
Heat Rate	9,654	BTU/KWH	9,408	BTU/KWH	

	MWH	% of Possible	MWH	% of Possible	
Full Scheduled	22,624	4.54	159,929	2.72	3
Partial Scheduled	35,512	7.12	210,012	3.58	4
Full Forced	0	0.00	118,490	2.02	5
Partial Forced	0	0.00	1,267	0.02	6
Economic Dispatch	53,375	10.71	723,103	12.32	7
Possible MWH	498,480		5,869,200		8

* See 'Notes for Fossil Units' filed with the January 2006 report.

BASE LOAD POWER PLANT PERFORMANCE REPORT
Roxboro 3

	Month of July 2006		Twelve Month Summary		See Notes*
MDC	707	MW	707	MW	1
Period Hours	744	HOURS	8,760	HOURS	
Net Generation	393,201	MWH	4,360,151	MWH	2
Capacity Factor	74.75	%	70.40	%	
Equivalent Availability	96.51	%	93.56	%	
Output Factor	74.75	%	72.40	%	
Heat Rate	10,397	BTU/KWH	10,077	BTU/KWH	

	MWH	% of Possible	MWH	% of Possible	
Full Scheduled	0	0.00	170,623	2.75	3
Partial Scheduled	200	0.04	186,437	3.01	4
Full Forced	0	0.00	0	0.00	5
Partial Forced	18,165	3.45	42,017	0.68	6
Economic Dispatch	114,442	21.76	1,434,092	23.16	7
Possible MWH	526,008		6,193,320		8

* See 'Notes for Fossil Units' filed with the January 2006 report.

BASE LOAD POWER PLANT PERFORMANCE REPORT
Roxboro 4 **

	Month of July 2006		Twelve Month Summary		See Notes*
MDC	700	MW	700	MW	1
Period Hours	744	HOURS	8,760	HOURS	
Net Generation	370,640	MWH	4,130,009	MWH	2
Capacity Factor	71.17	%	67.35	%	
Equivalent Availability	93.77	%	94.76	%	
Output Factor	71.94	%	68.28	%	
Heat Rate	10,773	BTU/KWH	10,600	BTU/KWH	

	MWH	% of Possible	MWH	% of Possible	
Full Scheduled	0	0.00	77,770	1.27	3
Partial Scheduled	26,143	5.02	203,347	3.32	4
Full Forced	5,600	1.08	5,600	0.09	5
Partial Forced	702	0.13	34,871	0.57	6
Economic Dispatch	117,715	22.60	1,680,404	27.40	7
Possible MWH	520,800		6,132,000		8

* See 'Notes for Fossil Units' filed with the January 2006 report.
** Gross of Power Agency

Run Date 8/28/2006

Plant	Unit	Current MW Rating	January 2005 - December 2005	July 2006	January 2006 - July 2006
Asheville	1	198	67.75	71.21	73.48
Asheville	2	194	70.36	72.85	53.50
Cape Fear	5	143	71.61	75.64	80.04
Cape Fear	6	173	64.61	71.88	65.66
Lee	1	79	51.59	56.63	53.28
Lee	2	76	51.41	63.35	47.03
Lee	3	252	61.16	69.57	66.00
Mayo	1	745	75.91	77.48	66.47
Robinson	1	174	77.78	85.31	81.16
Roxboro	1	385	77.66	85.75	74.96
Roxboro	2	670	64.35	77.63	81.74
Roxboro	3	707	68.49	74.75	72.99
Roxboro	4	700	67.87	71.17	65.33
Sutton	1	97	51.17	58.84	47.63
Sutton	2	106	54.71	58.18	49.28
Sutton	3	410	59.66	56.65	53.16
Weatherspoon	1	49	44.37	58.33	39.95
Weatherspoon	2	49	42.93	57.08	42.16
Weatherspoon	3	78	61.89	64.97	56.72
Fossil System Total		5,285	67.22	72.73	67.52
Brunswick	1	938	94.38	102.23	83.93
Brunswick	2	937	86.02	99.93	94.73
Harris	1	900	100.59	99.45	81.34
Robinson Nuclear	2	710	92.77	101.85	104.36
Nuclear System Total		3,485	93.49	100.82	90.33
Total System		8,770	77.59	83.89	76.58

Amended SC Fuel Rule
Related to Nuclear Operations

There shall be a rebuttable presumption that an electrical utility made every reasonable effort to minimize cost associated with the operation of its nuclear generation system if the utility achieved a net capacity factor ≥ 92.5% during the 12 month period under review. For the test period April 1, 2006 through July 31, 2006, actual period to date performance is summarized below:

Period to Date: April 1, 2006 to July 31, 2006

Nuclear System Capacity Factor Calculation (Based on net generation)

A. Nuclear system actual generation for SCPSC test period	A =	8,939,570	MWH
B. Total number of hours during SCPSC test period	B =	2,927	hours
C. Nuclear system MDC during SCPSC test period (see page 2)	C =	3,485	MW
D. Reasonable nuclear system reductions (see page 2)	D =	1,309,241	MWH
E. SC Fuel Case nuclear system capacity factor: [(A+D) / (B+C)] * 100 =		100.5%	

NOTE:
If Line Item E ≥ 92.5%, presumption of utility's minimum cost of operation.
If Line Item E < 92.5%, utility has burden of proof of reasonable operations.

Amended SC Fuel Rule
Nuclear System Capacity Factor Calculation
Reasonable Nuclear System Reductions
Period to Date: April 1, 2006 to July 31, 2006

Nuclear Unit Name and Designation	BNP Unit # 1	BNP Unit # 2	HNP Unit # 1	RNP Unit # 2	Nuclear System
Unit MDC	938 MW	937 MW	900 MW	710 MW	3,485 MW
Reasonable refueling outage time (MWH)	160,194	0	829,590	0	
Reasonable maintenance, repair, and equipment replacement outage time (MWH)	3,638	231,476	22,185	6,384	
Reasonable coast down power reductions (MWH)	0	3,591	0	0	
Reasonable power ascension power reductions (MWH)	5,276	35,063	0	0	
Prudent NRC required testing outages (MWH)	5,348	76	36	6,384	
SCPSC identified outages not directly under utility control (MWH)	0	0	0	0	
Acts of Nature reductions (MWH)	0	0	0	0	
Reasonable nuclear reduction due to low system load (MWH)	0	0	0	0	
Unit total excluded MWH	174,457	270,206	851,811	12,767	
Total reasonable outage time exclusions [carry to Page 1, Line D]					1,309,241